

Product datasheet for **MG220813**

Aamdc (NM_001177947) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aamdc (NM_001177947) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Aamdc
Synonyms: 1810020D17Rik; 1810037D19Rik; LI2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220813 representing NM_001177947
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCCCCTAAAATTGCTTCCCTCTTTGGGGACAAATGAAAGTGCAAGGCTCTACCTTAACCTATA
AGGATTGCAAAGTATGGCCAGGAGGCAGTCGGGCTTGGGACTGGAGAGAAACAGGAACCGAGGTGCCTCC
GTCGACTGTGGAGTACCTGGAGAAACAAGGCATTGATGTGCGGGTCTCCAGACAGAGCAGGCCGTGAAG
GAGTATAATGCCTTGGTTGCCAAGGGTCAGGGTAGGAGGTGTCTTCCATTCCACCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220813 representing NM_001177947
Red=Cloning site Green=Tags(s)
MASPKIASLSWGQMKVQGSTLTYKDCKVWPGGSRAWDWRETGTEVPPSTVEYLEKQIDVRLQTEQAVK
EYNALVAQGVVGGVGFHSTC

TRTRPLE - GFP Tag - V

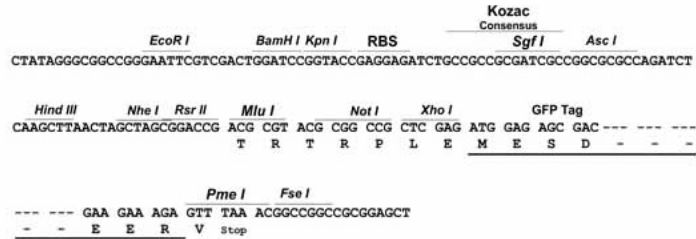
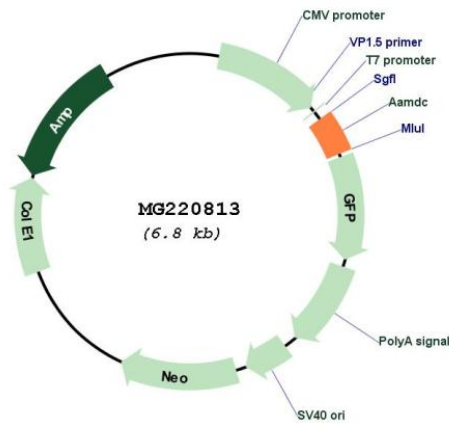
Restriction Sites: SgfI-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_001177947

ORF Size: 270 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001177947.1</u> , <u>NP_001171418.1</u>
RefSeq Size:	693 bp
RefSeq ORF:	273 bp
Locus ID:	66273
UniProt ID:	<u>Q8R0P4</u>
Cytogenetics:	7 E1
Gene Summary:	May play a role in preadipocyte differentiation and adipogenesis.[UniProtKB/Swiss-Prot Function]